## Contents

1

3

**Chapter 1** Introduction and Basic Concepts

The Forgotten Aspect of Socialization

Different Strategies in the Study of Parent-Child Interaction	3
Combining Dimensions in Different Ways 5	
Different Strategies Compared 6	
Experimental Situation in Laboratory Playroom 6	
Naturalistic Observation in the Home 7	
Hypothesis Testing in Naturalistic Observation Studies	9
Interview 10	
Combining Process with Trait Analysis 11	
About This Book 12	
Examining Parent-Child Interaction 12	
Genetic Analysis 15	
Chapter 2 Design and Methods 17	
Desire 17	
Design 17	
Subjects 19	
Ethological Approach: Naturalistic Observation 21	
Observations and Observers 21	
Behavior Record and Code 21	
Training Procedures 23	
Behavior Units and Problems of Recording 24	
Processing the Record 26	
Interobserver Agreement 26	
Intersituational Stability 32	
Parents' Reactions to Home Observations 33	

Interview-Rating Approach 37 Interviews and "Diary" 37 Ratings 38 Experimental Approach 40 Measures 40 Comments on the Three Approaches Employed 41 Comparative Yield of Different Data Sources 43 Summary 48	
Chapter 3 Mothers, Fathers and Young Sons: Incidence, Structed Education Level Differences in Their Interactive Behavior 49	ture, and
Incidence of Child and Parent Behavior 52	
Child Actions 53	
Active Play and Movement Behavior 53	
Speech Behavior 54	
Demands and Compliance 55  Positively and Negatively Toned Behavior 56	
Positively and Negatively Toned Behavior 56  Attachment Behavior 56	
Mother and Father Actions 59	
Speech Behavior 59	
Control Behavior and Compliance 59	
Positively and Negatively Toned Behavior 61	
Responsiveness 62	
Multivariate Testing of Differences in Action Frequencies	between
Mothers' Education Groups 65	
Education Level Differences in Vocabulary IQ and Rating	gs 66
Summary 67	
Structure of Child and Parent Interactive Behavior 68	
Interrelations of Mother and Father Characteristics 69	!
Summary 71	
Discussion 74	
Chapter 4 Being Two Makes a Difference: The Impact of Tw Parent-Child Interaction 79	inship on
Differences in Child and Parent Behavior between Twins an Singletons 81	d
Summary 87 Identical and Fraternal Twins and Biological Factors	87

Contents xi

Single-Parent Twin Families versus Two-Parent Twin Families 89 Summary 91 Other Aspects of Twinship 92
Discussion: The Effects of Twinship—Biological, Environmental, or Both? 93 Family Portraits 97
Chapter 5 Attachment 99
Attachment Behavior and Parent Actions: Sequence Analysis 102 Analysis 103
Effects of Parents' Single Actions on Attachment Behavior 104 Bidirectional Effects of Parents' Grouped Actions on Attachment Behavior and Vice Versa 109
"Attachment Behavior" as a Class of Response 114 Differences in Facilitation (Inhibition) Effects between Twins and Singletons 115
Summary 115 Attachment to Mother and Attachment to Father 116
Summary 119 Correlates and Determinants of Attachment Behavior 120 Remote Effects of Parent Actions and Child Attachment Behavior on Each Other 121
Attachment Viewed as a Behavior Tendency 123 Relationships with Demographic and Child Variables 128 Prediction from Parent Characteristics 130
Parental Responsiveness and Attachment Behavior 136 Attachment Behavior in the Experimental Situation 137 Summary 137
Discussion 138
Chapter 6 Compliance and the Rudiments of Conscience 143
Compliance and Parent Actions: Sequence Analysis 146 Analysis 146
Effects of Parents' Actions on Compliance and Noncompliance 148
First-Order Antecedents 150 Second-Order Antecedents 153
Differences in Facilitation Effects between Twins and Singletons 157

xii Contents

Parent Responses to Child Compliance and Noncompliance 157 "Second-Order Effects" of Father's Presence on Mother's Control
Behavior 161
Summary 164
Other Aspects of Parents' Control Behavior 165
Incidence and Effects of "Repeated Directions" 165
Example of Control Sequence 168
How Different Issues Affect the Mode of Control and the Use of
Repeated Directions 169
Summary 172
Correlates and Determinants of Compliance 172
Remote Effects of Parent Control Behavior and Child Compliance or
Each Other 172
Compliance and the Rudiments of Conscience: Relationships with
Demographic and Child Variables 176
Prediction from Parent Characteristics 179
Summary 187
Discussion 187
Chapter 7 Child-Parent Communication 197
•
Who Initiates Child-Parent Dialogues and Who Responds? 200
"Second-Order Effects" Arising from the Presence of Both
Parents 203
Twin-Singleton and Mother Education Level Differences 204
Summary 207
Examples of Parent-Child Interchanges 208
Correlates and Determinants of the Child's Linguistic
Competence 210
Relationships with Demographic and Child Variables 210
Prediction from Parent Characteristics 211
Summary 217
Discussion 217
Chapter 8 Other Domains of Interaction 221
Positively and Negatively Toned Actions 221
Parents' Responses to Child's Positively and Negatively Toned
Actions 222

What Do Parents See as "Objectionable" Behavior?

224

Contents xiii

Correlates and Determinants of Positively and Negatively Toned
Actions 226
Remote Effects of Parents' and Children's Positive and Negative
Actions, or: Who Influences Whom? 226
Relationships with Other Child Variables and Prediction from Parent
Characteristics 230
Summary 235
Instrumental Independence 235
Correlates and Determinants of Instrumental Independence 237
Summary 241
Physical Activity Level 242
Correlates and Determinants of Activity Level 244
Summary 248
Discussion 248
Positively and Negatively Toned Actions 248
Instrumental Independence 250
Physical Activity Level 251
•
napter 9 Genetic Influences 253
•

## Ch

An Assumption of the Twin Method Examined: Do Parents Create, or Respond to, Differences in Twins? 254 The Genetic Analysis Twins as Each Other's Environment 258 Environmental and Genetic Causes of Variation 259 262 Variance between Observers Summary 262 Discussion 263

## Chapter 10 Conclusions and Implications 269

The Family System and Maternal and Paternal Roles 270 Attachment, Nurturance, and Play 271 272 Changing the Child's Behavior Parent-Child Communication 273 Family Climate 274 Mothers' and Fathers' Complementary Roles 274 Socialization Effects: Who Shapes Whom? Implications for Practice Attachment and Dependence 284

xiv Contents

Lang Twi	apliance and Moral Development 286 guage and Competence 289 ns 290 Parents Make a Difference? 291	
Appendices 293		
I	Summary of Parent-Child Interaction Code (PACIC) 293	
II	Parent Interviews I and II 297	
III	Means, SDs, Etc., of Count Variables 305	
IV	Factor Analysis of Child and Parent Interactive	
	Behavior 309	
V	Multivariate Analysis by Mother's Education and	
	Twinship 317	
VI	Sequence Analysis (Including Detailed Tables for	
	Attachment Behavior 319	
VII	Facilitation of Attachment Behavior in Twins' and	
	Singletons' Subgroups 325	
VIII	Remote Effects or Cross-Lagged Panel Analysis for	
	Attachment Behavior 327	
IX	Discriminant Function Analysis between Twins and Singletons	
	(Compliance) 329	
X	Remote Effects or Cross-Lagged Panel Analysis for Positive	
	and Negative Actions 331	
ΧI	Fitting Genotype-Environment Models to the Data 335	
XII	Analysis of Variance between Observers 343	

**References** 345 **Index** 359